

ASCLEPIADACEAE BRASILIENSES, III. TWO NEW SPECIES OF ME-  
TASTELMA (ASCLEPIADACEAE) FROM BRAZIL.

Jorge Fontella Pereira \*

Jardim Botânico do Rio de Janeiro

Rua Pacheco Leão, 915

22460 - Rio de Janeiro-Brasil

Recente examination of plant collections from the State of Bahia (Brazil) has revealed the presence of two species of Metastelma new to science.

Metastelma Giuliettianum Fontella, sp.nov.

Metastelma myrtifolium affinis sed habitu volubili, foliis tomentosis et mucronatis, corollae lobis extus pubescentibus, coronae lobis gynostegio 2-plo longioribus, polliniis minoribus, differt.

Slender vines. Stems terete, tomentose. Leaves opposite and decussate; lamina ovate or elliptic, tomentose, basally obtuse or truncate, mucronate at the apex, the margins revolute at least when dry, bullate above, 18-25 mm long, 12-18 mm wide, with up to 4 conical glands at juncture of petiole; petioles tomentose, 3-4 mm long. Inflorescence an extra-axillary umbelliform cyme, sessile or subsessile, ca. 9-flowered; pedicels pubescent up to 3 mm long. Calyx deeply lobed, lobes ovate, apex acute, pubescent outside, glabrous insi-

\* Bolsista do CNPq

de, 1.3-1.5 mm long, ca. 1 mm wide, with one or two minute glands at inside base of each sinus. Corolla subcampanulate, cream colored; tube 1.8-2 mm long, pubescent outside, glabrous inside; lobes oblong, apex obtuse and incurved, pubescent on outer surface, barbellate within (trichomes retrorse), 4-4.5 mm long, 1.3-1.5 mm wide. Corona 5-lobed, lobes linear or lanceolate, erect, apex acute or acuminate, surpassing the gynostegium, 2-2.2 mm high, 0.4-0.6 mm wide. Anthers scutate, 0.45-0.54 mm long, 0.66-0.72 wide at base, appendages ovate, 0.27-0.33 mm long. Corpusculum linear or oblong, up to 0.20 mm long and ca. 0.07 mm wide; translador arms horizontal, 0.07-0.09 mm long; pollinia elliptical or subelliptical, with the edges obtuse or rounded, 0.22-0.24 mm long, 0.08-0.10 mm wide. Stigmatic appendix apiculate, covered by anther appendages.

Brasil: Estado da Bahia-Mucugê, margem da Estrada Andaraí-Mucugê, Estrada Nova à 4 Km de Mucugê, 21 VII 1981, leg. J.R.Pirani, I.Cordeiro, A.Furlan, J. Semir, N.L.de Menezes, A.M.Giulietti et L.Rossi- CFCR-1669 (SPF-holotype).

Metastelma Harleyi Fontella, sp.nov.

Metastelma ditassoides affinis sed foliis glabris, nervis obsoletis, coronae lobis gynostegium superantibus, polliniis clavatis, differt.

Slender vines. Stems terete, with two longitudinal lines of pubescence alternating with the leaf petioles. Leaves opposite and decussate; glabrous or with a few trichomes at juncture of blade and petiole; lamina oblong to elliptic, with nerves inconspicuous, basally obtuse or subtruncate, mucronate at the apex, the margins revolute at least when dry, 10-20 mm long, 5-8

mm wide, 2-3 glands present at juncture with petiole; petiole up to 4 mm long. Inflorescence a extra-axillary umbelliform cyme, 12-15-flowered; peduncles glabrous, 1-2 mm long; pedicels glabrous, 4-6 mm long. Calyx deeply lobed, lobes ovate, glabrous, apex acute or obtuse, 1-1.2 mm long, 0.8-1.0 mm wide at the base, with one or two minute glands at inside base of each sinus. Corolla rotate, cream-colored; tube glabrous outside, inside pubescent, up to 1 mm long; lobes ovate or elliptic, erect, acute at apex, glabrous outside, puberulent inside at margins and apex, pubescent at middle and base, 2.2-2.5 mm long, 1.3-1.5 mm wide. Corona 5-lobed, lobes lanceolate to suboblong, apex acute or acuminate, sometimes bilobed, surpassing the gynostegium, 1.8-2.0 mm high, ca. 0.5 mm wide. Anthers scutate, ca. 0.7 mm long, 0.7-0.8 mm wide at base, appendages ovate, ca. 0.6 mm long. Corpusculum oblong or ovate, apex emarginate, ca. 0.17 mm long, 0.08-0.09 mm wide; translator arms horizontal-descending, 0.13-0.15 mm long; pollinia clavate, 0.28-0.31 mm long, 0.18-0.20 mm wide. Stigmatic appendix apiculate, covered by anther appendages.

Brasil: Estado da Bahia-Middle and upper N.E. slopes of the Pico das Almas ca. 25 Km W.N.W. of the Vila do Rio de Contas, ca. 41°57'W, 13°33'S. Alt. 1600-1850 m. Sandstone conglomerate metamorphic and quartzite rock outcrop with associated scrubby vegetation with damp flushes and grassland and marsh in some areas. Plant growing on summit ridge. Bushy climber with woody stems and white-latex. Leaves coriaceous, very dark glossy green above, pale beneath. Calyx pale green. Corolla cream, 19 III 1977, leg. R.M.Harley 19685 et al. (CEPEC - holotype).

#### Acknowledgements

The author wishes to thank Dorothy Araujo for revision of the English text.